



### APPROACH GRADE FOR CUT OR FILL TO BE USED WITH PAVED SHOULDER

#### GENERAL NOTES :

1. These notes are for the drawings 610-DRIV-04, -05, -06, -09, -10 and -11.
2. If a concrete approach is designed for a class II or class IV drive, the radii shall be constructed using ear construction type C as detailed on Standard Drawing 605-ERCN-02.
3. When the maximum approach grade of  $\pm 10\%$  does not meet the grade of the existing drive before the R/W line, the approach grade of  $\pm 10\%$  shall extend beyond the R/W to the point of intersection with the existing driveway grade. Construction beyond the R/W line shall be done in temporary R/W.
4. Driveway culverts which cannot be located outside the clear zone shall have appropriate end sections at both ends of the culvert.
5. Driveway embankment slope within the clear zone for a road functionally classified as follows shall be:
  - a.) 6:1 for an arterial or a high speed (over 65 km/h design speed) collector.
  - b.) 4:1 for a local road or a low speed (65 km/h or lower design speed) collector.

All dimensions are in mm unless otherwise specified.

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| INDIANA DEPARTMENT OF TRANSPORTATION |  |
| CLASS II, IV, & V DRIVES             |  |
| APPROACH GRADES                      |  |
| MARCH 2002                           |  |
| STANDARD DRAWING NO. 610-DRIV-07     |  |
|                                      | /s/ Richard L. VanCleave 3-01-02<br>DESIGN STANDARDS ENGINEER DATE |
|                                      | /s/ Richard K. Smutzer 3-01-02<br>CHIEF HIGHWAY ENGINEER DATE      |